Solid-state relays - ST-OE3- 60DC/ 48DC/100 - 2911045

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The figure shows version ST-OV 3-5 DC/ 48 DC/100

Plug-in input solid-state relay, with LED and protective circuit in input and output circuits, input: 48 - 60 V DC, output: 8 - 48 V DC/max. 100 mA, can be plugged into basic terminal blocks

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	4 017918 079475
GTIN	4017918079475

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Input data

Nominal input voltage U_N	60 V DC
Input voltage range in reference to U_N	0.72 ... 1.1
Input voltage range	43.2 V DC ... 66 V DC
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8

ПРОМЭЛЕКТРОНИКА / sales@prom-elec.com

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Technical data

Input data

Typical input current at U_N	9 mA
Typical response time	50 µs
Typical turn-off time	100 µs
Status display	Yellow LED
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	300 Hz

Output data

Output voltage range	8 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	1.2 V
Output circuit	2-conductor floating, 3-conductor ground-referenced
Type of protection	Reverse polarity protection
	Free running
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	approx. 22 kΩ (for 3-wire connection)

General

Test voltage input/output	2.5 kV AC
Mounting position	any
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

Standards and Regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Approvals

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Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.A*30.B.01082

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